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Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

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Complete if Known

Application Number	10/089,700
Filing Date	January 9, 2003
First Named Inventor	Robert Paul Anderson
Art Unit	1644
Examiner Name	David A. Saunders
Attorney Docket Number	BTG0008-100 (142769US01)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication/Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
DAS	AA	US-4,459,355	07-10-1984	Cello et al.	
	AB	US-4,536,475	08-20-1985	Anderson	
	AC	US-5,464,763	11-07-1995	Schilperoort et al.	
	AD	US-5,177,010	01-05-1993	Goldman et al.	
	AE	US-5,187,073	02-16-1993	Goldman et al.	
	AF	US-4,945,050	07-31-1990	Sanford et al.	
	AG	US-5,036,006	07-30-1991	Sanford et al.	
	AH	US-5,100,792	03-31-1992	Sanford et al.	
	AI	US-5,371,014	12-06-1994	Matsuyama et al.	
	AJ	US-5,478,744	12-26-1995	Sanford et al.	
	AK	US-5,179,022	01-12-1993	Sanford et al.	
	AL	US-5,565,346	10-15-1996	Facciotti	
	AM	US-5,484,956	01-16-1996	Lundquist et al.	
	AN	US-5,508,468	04-16-1996	Lundquist et al.	
	AO	US-5,538,877	07-23-1996	Lundquist et al.	
	AP	US-5,554,798	09-10-1996	Lundquist et al.	
	AQ	US-5,489,520	02-06-1996	Adams et al.	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
DAS	AR	EP 0255378	02-03-1988	Calgene		
	AS	WO 92/17580	10-15-1992	Rhone-Poulenc		
	AT	WO 98/45460	10-15-1998	Rhone-Poulenc		
	AU	WO 98/45461	10-15-1998	Rhone-Poulenc		
	AV	EP 267159	05-11-1988	Ciba-Geigy		N
	AW	EP 604662	07-06-1994	Japan Tobacco		
	AX	EP 672752	09-20-1995	Japan Tobacco		
	AY	EP 442174	08-21-1991	Pioneer Hi-Bred		
	AZ	EP 486233	05-20-1992	Pioneer Hi-Bred		

Examiner
Signature

David A. Saunders

Date
Considered

2/19/06

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Sheet 2 of 7

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Dad	BA	US-5,510,318	04-23-1996	Patel et al.	
	BB	US-5,204,253	04-20-1993	Sanford et al.	
	BC	US-5,405,765	04-11-1995	Vasli et al.	
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Dad	BD	EP486234	05-20-1992	Pioneer Hi-Bred		
	BE	EP 539563	10-17-2001	Monsanto		
	BF	WO 94/13863	06-23-1994	Amorphous		
	BG	WO 91/02071	02-21-1991	DeKalb Plant Genetics		
	BH	WO 95/06128	03-02-1995	Dekalb Genetics		
	BI	EP 0293358	11-30-1988	Monsanto Co		
	BJ	WO 92/000377	01-09-1992	Monsanto Co		
	BK	EP 0242236	10-21-1987	Plant Genetics Systems		
	BL	EP 0369367	05-23-1990	Lincoln Electric		
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Signature

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		US-			
		US-			
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
2978	BM	WO 03/104273	12-18-2003	ISIS Innovation		
	BN	WO 02/083722	10-24-2002	Koning		
	BO	WO 03/066079	08-14-2003	Koning		
	BP	WO 03/096984	11-27-2003	Hausch		
	BQ	WO 98/23960	06-04-1998	ISIS Innovation		
	BR	WO 92/20809	11-26-1992	Agracetus		
	BS	WO 99/20775	04-29-1999	Rhone-Poulenc		
	DJ	EP 0693119	01-29-1997			

Examiner Signature	David A. Saunders	Date Considered	7/19/06
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**INFORMATION DISCLOSURE
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Sheet

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First Named Inventor	Robert Paul Anderson
Art Unit	1644
Examiner Name	David A. Saunders
Attorney Docket Number	BTG0008-100 (142769US01)

NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
<i>DA</i>	BT	Altschul "A protein alignment scoring system sensitive at all evolutionary distances," <i>J Mol Evol</i> (1993) 36(3):290-300.	
	BU	Altschul et al., "Basic local alignment search tool," <i>J Mol Biol</i> (1990) 215(3):403-410.	
	BV	Bunce et al., "Phototyping: comprehensive DNA typing for HLA-A, B, C, DRB1, DRB3, DRB4, DRB5 & DQB1 by PCR with 144 primer mixes utilizing sequence-specific primers (PCR-SSP)," <i>Tissue Antigens</i> (1995) 46(5):355-367.	
	BW	Dalta et al., "Plant promoters for transgene expression," <i>Biotechnology Ann Rev</i> (1997) 3:269-296.	
	BX	Devereux et al., "A comprehensive set of sequence analysis programs for the VAX," <i>Nucleic Acids Research</i> (1984) 12(1 Pt 1):387-395.	
	BY	Greenberg et al., "Transglutaminases: multifunctional cross-linking enzymes that stabilize tissues," <i>FASEB</i> (1991) 5(15):3071-3077.	
	BZ	Henikoff "Amino acid substitution matrices from protein blocks," <i>Proc. Natl. Acad Sci USA</i> (1992) 89(22):10915-10919.	
	CA	Karlin et al., "Applications and statistics for multiple high-scoring segments in molecular sequences," <i>Proc Natl Acad USA</i> (1993) 90(12):5873-5887.	
	CB	Kohler et al., "Continuous cultures of fused cells secreting antibody of predefined specificity," <i>Nature</i> (1975) 256(5517):495-497.	
	CC	Kricka "Prospects for chemiluminescent and bioluminescent immunoassay and nucleic acid assays in food testing and the pharmaceutical industry," <i>J Biolumin Chemilumin</i> (1998) 13(4):189-193.	
<i>✓</i>	CD	Lalvani et al., "Rapid effector function in CD8+ memory T cells," <i>J Exp Med</i> (1997) 186(6):859-865.	

Examiner
Signature*David A. Saunders*Date
Considered*7/18/06*

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Sheet 5 of 7

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NON PATENT LITERATURE DOCUMENTS

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<i>pus</i>	CE	Mantzaris et al., "In vivo toxicity of a synthetic dodecapeptide from A gliadin in patients with coeliac disease," <i>Gastroenterol.</i> (1991) 26(4):392-398.	
	CF	Maiuri et al., "In vitro activities of A-gliadin-related synthetic peptides: damaging effect on the atrophic coeliac mucosa and activation of mucosal immune response in the treated coeliac mucosa," <i>Scand J Gastroenterol.</i> (1996) 31(3):247-253.	
	CG	Molberg et al., "Tissue transglutaminase selectively modifies gliadin peptides that are recognized by gut-derived T cells in celiac disease," <i>Nature Med</i> (1998) 4(6):713-717.	
	CH	Mullighan et al., "High-resolution HLA-DQB1 typing using the polymerase chain reaction and sequence-specific primers," <i>Tissue Antigens</i> (1997) 50(6):688-692.	
	CI	Olerup et al., "HLA-DQB1 and -DQA1 typing by PCR amplification with sequence-specific primers (PCR-SSP) in 2 hours," <i>Tissue Antigens</i> (1993) 41(3):119-137.	
	CJ	Ota et al., "T-cell recognition of an immunodominant myelin basic protein epitope in multiple sclerosis," <i>Nature</i> (1990) 346(6280):183-187.	
	CK	Quarsten et al., "HLA binding and T cell recognition of a tissue transglutaminase-modified gliadin epitope," <i>Eur J Immunol</i> (1999) 29(8):2506-2514.	
	CL	Thurau et al., "Oral tolerance in a murine model of relapsing experimental autoimmune uveoretinitis (EAU): induction of protective tolerance in primed animals," <i>Clin Exp Immunol</i> (1997) 109(2):370-376.	
	CM	Vasil et al., "Herbicide Resistant Fertile Transgenic Wheat Plants Obtained by Microprojectile Bombardment of Regenerable Embryogenic Callus," <i>Biotechnology</i> (1992) 10:667-674.	
	CN	Weiner et al., "Oral tolerance: cytokine milieu in the gut and modulation of tolerance by cytokines," <i>Res Immunol</i> (1997) 148(8-9):528-533.	
<i>✓</i>	CO	Yoshida et al., "The oral administration of low-dose antigen induces activation followed by tolerization, while high-dose antigen induces tolerance without activation," <i>Clin Immunol Immunopathol</i> (1997) 82:207-215.	

Examiner
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	*CP	Sambrook et al., <i>Molecular Cloning: A Laboratory Manual</i> (1989).	
	*CQ	Vader et al., <i>Proceedings 8th International Symposium Coeliac Disease</i> .	
DA	CR	Anderson "Identification of the Immunodominant T-Cell Epitope in Agliadin Recognized by Coeliac Disease (CD) Patients in Vivo," (1999) A165.	
	CS	Dieterich et al., "Identification of tissue transglutaminase as the autoantigen of celiac disease," <i>Nature Medicine</i> (1997) 3(7):797-801.	
	CT	Gutgemann et al., "Induction of rapid T cell activation and tolerance by systemic presentation of an orally administered antigen," <i>Immunity</i> (1998) 8:667-673.	
	CU	McAdam et al., "Gliadin Specific Response by Small Intestinal T Cells," <i>Peptide Binding to HLA Molecules and T Cells</i> , Eighth International Symposium on Coeliac Disease, p. 17, (1999).	
	CV	Sjostrom et al., "Identification of a gliadin T-cell epitope in coeliac disease: general importance of gliadin deamidation for intestinal T-cell recognition," <i>Scand J Immunol</i> (1998) 48(2):111-115.	
	CW	Tian et al., "Antigen-based immunotherapy for autoimmune disease: from animal models to humans?" <i>Immunology Today</i> (1999) 20(4):190-195.	
	CX	Van de Wal et al., "Selective deamidation by tissue transglutaminase strongly enhances gliadin-specific T cell reactivity," <i>The Journal of Immunology</i> (1998) 161(4):1585-1588.	
	CY	Arentz-Hansen et al., "Celiac lesion T cells recognize epitopes that cluster in regions of gliadins rich in proline residues," <i>Gastroenterology</i> (2002) 123(3):803-809.	
	CZ	Jung et al., "From combinatorial libraries to MHC ligand motifs, T-cell superagonists and antagonists," <i>Biologicals</i> (2001) 29(3-4):179-181.	

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dal	DA	Mowat et al., "Coeliac disease—a future for peptide therapy?," <i>Lancet</i> (2000) 356(9226):270-271.	
	DB	Madsen et al., "A humanized model for multiple sclerosis using HLA-DR2 and a human T-cell receptor," <i>Nature Genetics</i> (1999) 23(3):343-347.	
	DC	Van de Wal et al., "Coeliac disease: it takes three to tango!," <i>Gut</i> (2000) 46(5):734-737.	
	DD	Vader et al., "Specificity of Tissue Transglutaminase Explains Cereal Toxicity in Celiac Disease," <i>Journal of Experimental Medicine</i> (2002) 195(5):643-649.	
	DE	Wieser et al., "Coeliac active peptides from gliadin: large-scale preparation and characterization," <i>Z Lebensm Unters Forsch</i> (1992) 194(3):229-234.	
	DF	Kumar et al., "Human genome search in celiac disease: mutated gliadin T-cell-like epitope in two human proteins promotes T-cell activation," <i>Journal of Molecular Biology</i> (2002) 319(3):579-599.	
	DG	Moustakas et al., "Structure of celiac disease-associated HLA-DQ8 and non-associated HLA-DQ9 alleles in complex with two disease-specific epitopes," <i>International Immunology</i> (2000) 12(8):1157-1166.	
	DH	Piper et al., "High Selectivity of Human Tissue Transglutaminase for Immunoactive Gliadin Peptides: Implications for Celiac Sprue," <i>Biochemistry</i> (2002) 41(1):386-393.	
	DI	Plebanski et al., "Protection from Plasmodium berghei infection by priming and boosting T cells to a single class I-restricted epitope with recombinant carriers suitable for human use," <i>Eur J Immunol</i> (1998) 28(12):4345-4355.	
	DJ	Anderson et al., "The α -gliadin gene family. II. DNA and protein sequence variation, subfamily structure, and origins of pseudogenes," <i>Theor Appl Genet</i> (1997) 95:59-65.	
dal	DK	Vader et al., "The gluten response in children with celiac disease is directed toward multiple gliadin and glutenin peptides," <i>Gastroenterology</i> (2002) 122:1729-1737.	

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